

The following table shows the results of the regression analysis for the dependent variable "Number of publications" (N = 100). The independent variables are "Gender" (Male/Female), "Age" (20-30/31-40/41-50/51-60/61-70/71+), "Education" (High School/College/Graduate), "Experience" (0-5/6-10/11-15/16-20/21-25/26-30/31+), and "Income" (Low/Medium/High). The table displays the coefficients, standard errors, t-statistics, and p-values for each variable.

Variable	Coefficient	Standard Error	t-Statistic	p-Value
Gender (Male)	0.15	0.08	1.88	0.06
Age (31-40)	0.22	0.09	2.44	0.02
Age (41-50)	0.18	0.07	2.57	0.01
Age (51-60)	0.12	0.06	2.00	0.04
Age (61-70)	0.08	0.05	1.60	0.11
Age (71+)	0.05	0.04	1.25	0.21
Education (College)	0.35	0.10	3.50	0.00
Education (Graduate)	0.42	0.12	3.50	0.00
Experience (6-10)	0.10	0.05	2.00	0.04
Experience (11-15)	0.15	0.06	2.50	0.01
Experience (16-20)	0.20	0.07	2.86	0.00
Experience (21-25)	0.25	0.08	3.13	0.00
Experience (26-30)	0.30	0.09	3.33	0.00
Experience (31+)	0.35	0.10	3.50	0.00
Income (Medium)	0.10	0.05	2.00	0.04
Income (High)	0.15	0.06	2.50	0.01
Constant	0.50	0.10	5.00	0.00

The regression equation is: $Y = 0.15X_1 + 0.22X_2 + 0.18X_3 + 0.12X_4 + 0.08X_5 + 0.05X_6 + 0.35X_7 + 0.42X_8 + 0.10X_9 + 0.15X_{10} + 0.20X_{11} + 0.25X_{12} + 0.30X_{13} + 0.35X_{14} + 0.10X_{15} + 0.15X_{16} + 0.50$

The adjusted R-squared value is 0.85.

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